What is claimed is:

- 1. A method of producing surface seeded exposed particulate concrete having a generally flat exposed particulate surface suitable for flooring applications, the method comprising:
 - a) preparing a subgrade to a desired grade;
 - b) pouring a concrete mixture over the subgrade;
 - c) screeding the concrete mixture to a desired grade and forming a top surface thereof;
 - d) finishing the top surface of the concrete mixture with a float to seal the top surface and disposing a quantity of cement/fines derived from the concrete mixture at the top surface of the concrete mixture to form an upper surface of cement/fines concrete paste;
 - e) spraying a quantity of particulate upon the upper surface of cement/fines concrete paste;
 - f) mixing the quantity of particulate into the cement/fines concrete paste with a float to form an exposed surface of a depth of a mixture of surface-concentrated particulate and cement/fines concrete paste;
 - g) applying a surface retarder uniformly over the exposed surface of the surface-concentrated particulate and cement/fines concrete paste;
 - h) washing surface films from the exposed surface;
 - i) curing the concrete mixture and paste to form a cured mixture and a cured paste; and
 - j) washing the exposed surface to remove surface residue therefrom.
- 2. The method of Claim 1 wherein the exposed particulate surface comprises a material reactable with a hydrolyzed alkali silica to form an insoluble silicate

structure.

- 3. The method of Claim 2 further comprising after said washing the exposed surface, applying a chemical treatment of hydrolyzed alkali silica solution uniformly over the exposed surface in a quantity sufficient to penetrate only the depth of the surface-concentrated particulate and cement/fines concrete paste.
- 4. The method of Claim 3 wherein the hydrolyzed alkali silica is a hydrolyzed lithium quartz solution.
- 5. The method of Claim 3 wherein said applying of chemical treatment causes penetration of the hydrolyzed alkali metal and silica compound into the upper surface of the concrete mixture through a distance greater than the mean diameter of the particulate.
- 6. The method of Claim 2 wherein the particulate comprises glass.
- 7. The method of Claim 2 wherein the particulate comprises organic materials.
- 8. The method of Claim 7 wherein the organic material comprises sea shells.
- 9. The method of Claim 1 wherein the particulate comprises coarse sand.
- 10. The method of Claim 9 wherein the particulate comprises Monterey Aquarium coarse sand.
- 11. The method of Claim 1 wherein the particulate has a mean diameter size of less than three-eights of one inch.
- 12. The method of Claim 1 wherein said spraying the quantity of particulate is accomplished using a material gun.
- 13. The method of Claim 1 wherein said spraying uniformly sprays the quantity of particulate.
- 14. The method of Claim 1 wherein said spraying includes spraying some of the quantity of particulate a distance of at least twenty feet.
 - 15. The method of Claim 1 wherein said applying of

the surface retarder causes penetration of the surface retarder into the upper surface of the concrete mixture through a distance greater than the mean diameter of the particulate.

- 16. The method of Claim 1 wherein the particulate is sprayed over the upper surface of the concrete mixture at an approximate rate of one pound per square foot of concrete mixture.
- 17. The method of Claim 1 wherein said mixing comprises using a float in a circular motion to cover the particulate with the cement/fines concrete paste.
- 18. The method of Claim 1 wherein between said mixing and said applying the surface retarder, the method further comprises sponging in a circular motion any areas of the upper surface of the concrete mixture.
- 19. The method of Claim 1 wherein said washing of surface film comprises:
 - (i) applying water to the upper surface of the concrete mixture; and
 - (ii) lightly brushing the upper surface of the concrete mixture.
- 20. The method of Claim 19 wherein said lightly brushing removes no more than five percent of the particulate from the upper surface of the concrete mixture.
- 21. The method of Claim 1 wherein said washing of the upper surface of the concrete mixture to remove surface residue therefrom comprises washing the upper surface of the concrete with a mixture of water and muriatic acid.
- 22. The method of Claim 1 wherein between said applying of the surface retarder and said washing surface film, the method further comprises covering the upper surface of the concrete mixture with a vapor barrier.
- 23. The method of Claim 22 wherein said covering the upper surface of the concrete mixture with a vapor barrier extends for a period of two to twenty-four hours.

- 24. The method of Claim 1 wherein said curing comprises curing the concrete mixture by use of a fogger.
- 25. The method of Claim 1 wherein said curing comprises curing the concrete mixture by use of a soaker hose.
- 26. The method of Claim 1 further comprising placing reinforcement means upon the prepared subgrade to be disposed within the poured concrete mixture.
- 27. The method of Claim 1 wherein said pouring comprises mixing the concrete mixture with a color additive.
- 28. The method of Claim 1 wherein after said curing the concrete mixture, the method further comprises altering the surface roughness of the upper surface of the concrete mixture.
- 29. The method of Claim 1 wherein prior to said spraying the quantity of particulate, the method further comprises washing the quantity of particulate with potable water and air drying the quantity of particulate.
- 30. The method of Claim 1 wherein said preparing the subgrade comprises compacting the subgrade to approximately ninety percent compaction.
- 31. The method of Claim 1 wherein said preparing the subgrade further comprises placing a layer of sand between the subgrade and the poured concrete mixture.
- 32. A surface seeded exposed particulate concrete product formed by the method of Claim 1.